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**DATE:** October 12, 1992

**TO:** District Engineers  
District Field/Construction Engineers  
Resident/Project Engineers

**FROM:** Robert A. Welke, Deputy Director  
Bureau of Highways

**SUBJECT:** **CONSTRUCTION CIRCULAR LETTER 1992-6**  
**Guardrail Anchorage (Standard Plan III-58 Series)**

Design Division has noted that in some instances Guardrail Anchorage-Cable and Thrie Beam Anchorage-Cable has been installed using an outdated configuration. The current geometric design for guardrail anchorage is detailed on Standard Plans III-58K & M which depicts the entire 37 feet 6 inch end section to be a circular configuration. The required offset distances from face of rail to rail tangent line are indicated on the standard plan. These offsets were calculated based on a 178 feet radius. The current configuration has been in use since 1990 and does not require the guardrail elements in the cable anchorage to be shop bent.

Standard plans issued prior to and including III-58J depict the outdated configuration consisting of one straight 12 feet 6 inch panel of guardrail followed by 25 feet of curved rail based on a 100 feet radius. It will not be necessary to remove endings installed under the old configuration, however any future installations shall be constructed according to the current standard.

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Deputy Director

BH:CD:GDD:AQS:jd

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